



Figure 1

BREAKDOWN BY SUBJECT

List of subjects enrolled in treatment of the identified VLDL alleles

VLDL allele	Cases (N=211)			Controls (N=118)			Odds Ratio (p-value)		
	Males (N=155)	Females (N=56)	Total	Males (N=77)	Females (N=41)	Total	Males	Females	Total
5	91 (59.5)	35 (60.3)	126 (59.7)	55 (71.4)	28 (68.7)	83 (69.7)	0.59 (0.003)	0.76 (0.57)	0.64 (0.079)
7	0 (0.0)	1 (1.7)	1 (0.5)	0 (0.0)	0 (0.0)	0 (0.0)	0.50 (1.00)	2.22 (1.00)	1.70 (1.00)
6	74 (48.4)	27 (48.8)	101 (47.9)	31 (40.3)	23 (56.8)	54 (45.4)	1.39 (0.24)	0.72 (0.55)	1.11 (0.78)
9	80 (52.3)	29 (50.0)	109 (51.7)	36 (46.8)	15 (35.7)	51 (42.9)	1.25 (0.46)	1.80 (0.22)	1.42 (0.14)
10	2 (1.3)	0 (0.0)	2 (0.9)	0 (0.0)	1 (2.4)	1 (0.8)	2.56 (1.00)	0.24 (0.42)	1.93 (1.00)
11	1 (0.7)	1 (1.7)	2 (0.9)	1 (1.3)	0 (0.0)	1 (0.8)	0.50 (1.00)	2.22 (1.00)	1.13 (1.00)

BREAKDOWN BY ALLELE

VLDL allele	Cases (N=211)			Controls (N=118)		
	Males (N=155)	Females (N=56)	Total	Males (N=77)	Females (N=41)	Total
5	112 (37.2)	43 (37.7)	155 (37.3)	73 (48.0)	37 (44.0)	110 (46.9)
7	0 (0.0)	1 (0.9)	1 (0.2)	0 (0.0)	0 (0.0)	0 (0.0)
6	99 (29.6)	38 (31.8)	125 (30.1)	36 (23.7)	27 (32.1)	63 (26.7)
9	97 (32.2)	33 (28.9)	130 (31.3)	42 (27.6)	19 (22.6)	61 (25.9)
10	2 (0.7)	0 (0.0)	2 (0.5)	0 (0.0)	1 (1.2)	1 (0.4)
11	1 (0.3)	1 (0.9)	2 (0.5)	1 (0.7)	0 (0.0)	1 (0.4)

Males p-value CLUMP (1000 sim): 0.19

Females p-value CLUMP (1000 sim): 0.02

Total p-value CLUMP (1000 sim): 0.27

BREAKDOWN BY GENOTYPE

VLDL genotype	Cases (N=200)			Controls (N=117)			Odds Ratio (p-value)		
	Males (N=149)	Females (N=51)	Total	Males (N=71)	Females (N=42)	Total	Males	Females	Total
5/5	21 (14.2)	8 (14.3)	29 (14.2)	18 (24.0)	9 (21.4)	27 (23.1)	0.52 (0.059)	0.81 (0.47)	0.66 (0.10)
5/7	0 (0.0)	1 (1.8)	1 (0.5)	0 (0.0)	0 (0.0)	0 (0.0)	0.51 (1.00)	2.30 (1.00)	1.73 (1.00)
5/6	33 (22.2)	10 (17.9)	43 (21.1)	16 (21.3)	13 (31.0)	29 (24.6)	1.06 (1.00)	0.48 (0.15)	0.81 (0.48)
5/9	35 (23.6)	15 (28.6)	50 (24.5)	21 (28.0)	6 (14.3)	27 (23.1)	0.80 (0.52)	2.20 (0.21)	1.08 (0.78)
5/10	2 (1.4)	0 (0.0)	2 (1.0)	0 (0.0)	0 (0.0)	0 (0.0)	2.58 (0.56)	0.75 (1.00)	2.90 (0.54)
5/11	0 (0.0)	1 (1.8)	1 (0.5)	0 (0.0)	0 (0.0)	0 (0.0)	0.51 (1.00)	2.30 (1.00)	1.73 (1.00)
6/6	15 (10.1)	7 (12.5)	22 (10.8)	5 (6.7)	4 (9.5)	9 (7.7)	1.58 (0.47)	1.36 (0.76)	1.45 (0.44)
6/9	24 (16.2)	10 (17.9)	34 (16.7)	8 (10.7)	5 (11.8)	13 (11.1)	1.62 (0.81)	1.81 (0.57)	1.60 (0.19)
6/10	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	1 (2.4)	1 (0.9)	0.51 (1.00)	0.24 (0.47)	0.19 (0.36)
6/11	1 (0.7)	0 (0.0)	1 (0.5)	1 (1.3)	0 (0.0)	1 (0.9)	0.50 (1.00)	0.75 (1.00)	0.57 (1.00)
9/9	17 (11.5)	4 (7.1)	21 (10.3)	8 (8.0)	4 (9.5)	10 (8.5)	1.49 (0.48)	0.72 (0.72)	1.23 (0.70)

Males p-value CLUMP (1000 sim): 0.17

Females p-value CLUMP (1000 sim): 0.44

Total p-value CLUMP (1000 sim): 0.26

BREAKDOWN BY GENOTYPE (collapsing groups)

VLDL genotype	Cases (N=200)			Controls (N=117)			Odds Ratio (p-value)		
	Males (N=149)	Females (N=51)	Total	Males (N=71)	Females (N=42)	Total	Males	Females	Total
5/5	21 (14.2)	8 (14.3)	29 (14.2)	18 (24.0)	9 (21.4)	27 (23.1)	0.52 (0.069)	0.81 (0.42)	0.66 (0.10)
5/6	70 (47.3)	27 (48.2)	97 (47.9)	37 (49.3)	19 (45.2)	56 (47.9)	0.82 (0.77)	1.19 (0.65)	0.99 (1.00)
not 5/6	57 (38.5)	21 (37.5)	78 (38.2)	20 (28.7)	14 (33.3)	34 (28.1)	1.72 (0.10)	1.20 (0.83)	1.51 (0.11)

Males p-value CLUMP (1000 sim): 0.001

Females p-value CLUMP (1000 sim): 0.69

Total p-value CLUMP (1000 sim): 0.076

Figure 2

Figure 3